MINIFOCUS FC

MINIFOCUS FC

MINIFOCUS R FC

User's Manual rel 1.5 **GB**

D.T.S. Illuminazione srl - ITALY
http://www.dts-lighting.it

DTS
The Lighting Company

Made in Italy

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MINIFOCUS FC

D.T.S. Product codes:
03.LCB005E20FC25 MINIFOCUS FC Medium flood lenses Grey Glitter finish
03.LCB005E20FC40 MINIFOCUS FC Wide flood lenses Grey Glitter finish

LED technology
1 x FULL RGBW LED; 2700K - 6500K Colour temperature range; 300 Lumens
LEDs average lifespan: 75.000 hours (70% lumen output)

Optical units
2 lenses sets available: Medium flood and Wide flood

Control
DMX 512

Protection
IP65 protection level

Construction
Die cast aluminium, fitted with a mounting bracket

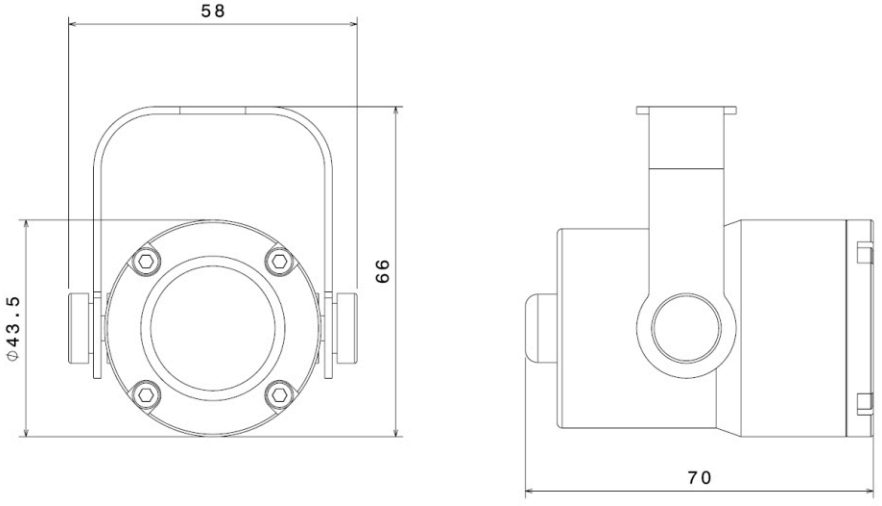
Power supply
Electronic full-range 90-260Vac 50-60 Hz
Z1 PLUS IP20 LED Controller (D.T.S. Code: 03.LA.009P)
Z1 PLUS IP65 LED Controller (D.T.S. Code: 03.LA.009P.IP65)
Z8 LED Controller Screw terminals outputs (D.T.S. Code: 03.LA.080.V2)
DRIVENET 832 LED Controller Screw terminals outputs (D.T.S. Code: 03.LA.177)

Power consumption
7W

Connection
8 poles cable

Weight
0,24 Kg

Dimensions



MINIFOCUS R FC

D.T.S. Product codes:
03.LCS005E99FC25 MINIFOCUS R FC Medium flood lenses
03.LCS005E99FC40 MINIFOCUS R FC Wide flood lenses

LED technology
1 x FULL RGBW LED; 2700K - 6500K Colour temperature range; 300 Lumens
LEDs average lifespan: 75.000 hours (70% lumen output)

Optical units
2 lenses sets available: Medium flood and Wide flood

Control
DMX 512

Protection
IP65 protection level

Construction
Die cast aluminium, with a round flange for recessed installation

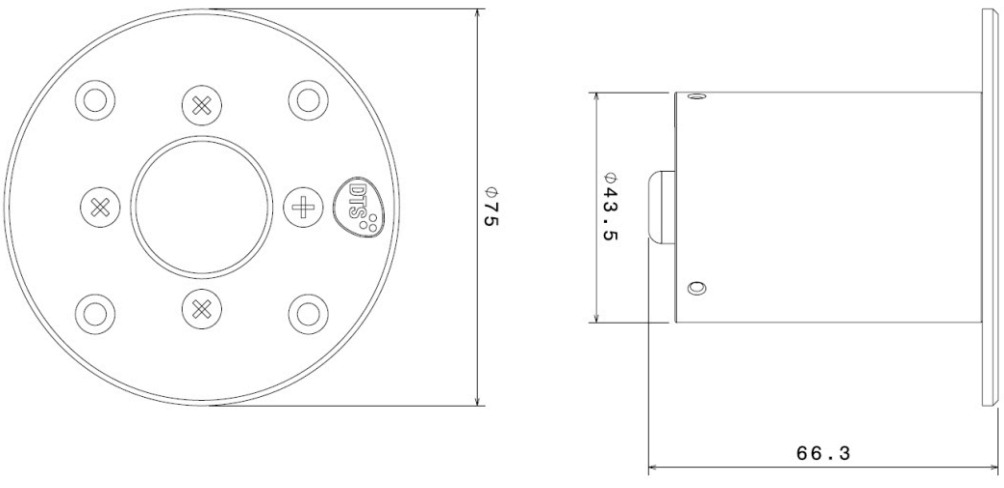
Power supply
Electronic full-range 90-260Vac 50-60 Hz
Z1 PLUS IP20 LED Controller (D.T.S. Code: 03.LA.009P)
Z1 PLUS IP65 LED Controller (D.T.S. Code: 03.LA.009P.IP65)
Z8 LED Controller Screw terminals outputs (D.T.S. Code: 03.LA.080.V2)
DRIVENET 832 LED Controller Screw terminals outputs (D.T.S. Code: 03.LA.177)

Power consumption
7W

Connection
8 poles cable

Weight
0,29 Kg

Dimensions



IMPORTANT SAFETY INFORMATION

Fire prevention:
It is permissible to place the unit on normally flammable surfaces.
Suitable for mounting on normally flammable materials surfaces greater than 200°C with some combustion time lag.

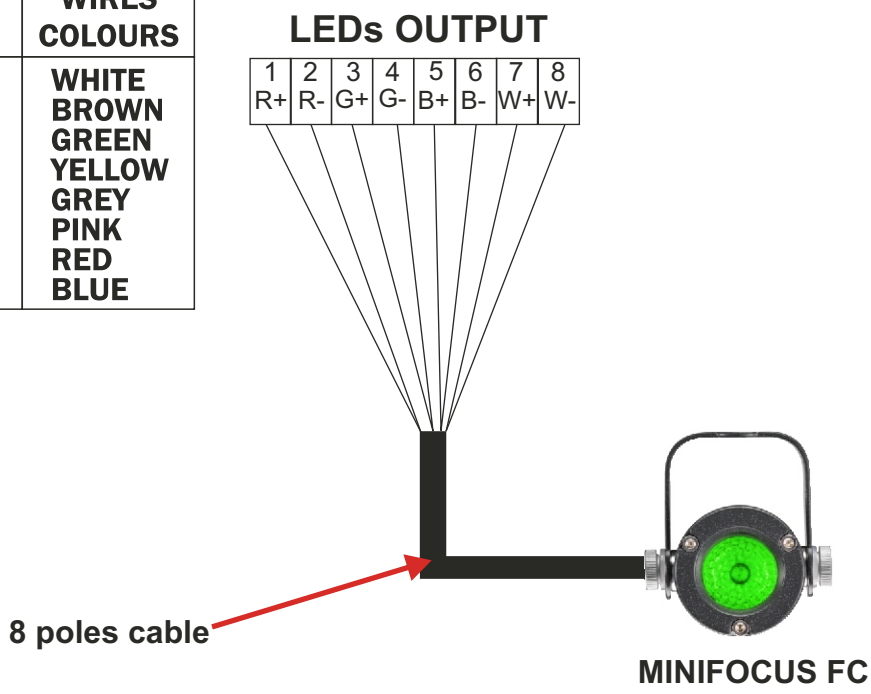
Safety:
The external surface of the unit may exeed 50°C; never handle the unit until at least 5 minutes have elapsed since the unit was turned off.
The ambient temperature should not exeed 40°C and should not be lower than -10°C.

ATTENTION:
The product is classified as an outdoor appliance and its protection level against the penetration of solid and liquid objects is IP65 (please refer to the international protection classification for more details).
In case of installation with outer case, be totally sure that water does not persist inside the case: the projector will remain partially submerged and this is causing IP65 protection problem.
Fully and partially underwater installation will void fixture's warranty.
It is, moreover, recommended to periodically check the condition of the cable, the cable gland, the gaskets and the all mechanical parts.

CONNECTION

MINIFOCUS FC and MINIFOCUS R FC are provided with a 8 poles cable.

CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE +	RED
PIN 8	WHITE -	BLUE



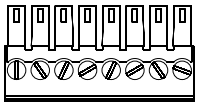
The maximum distance between the power supply and the unit should not exceed 50 meters.

WIRING CONNECTIONS

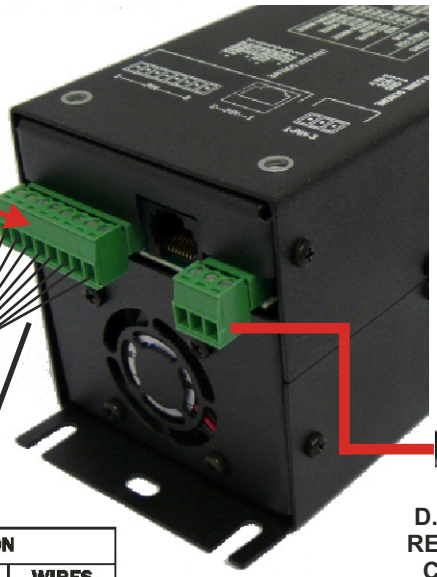
Z1 PLUS IP 20 LED Controller (Code 03.LA.009P)

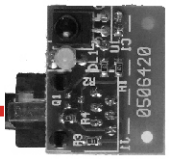
2

8 poles screw terminals



1--------PIN--------8

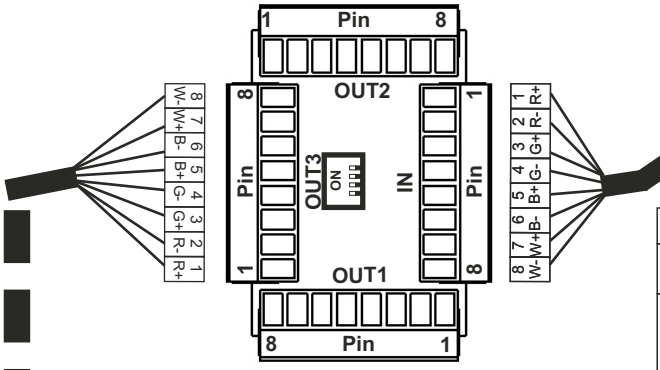




D.T.S. INFRARED REMOTE SENSOR Code 03.LA.016

LEDs OUTPUT

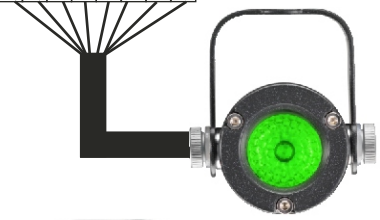
1 R+	2 R-	3 G+	4 G-	5 B+	6 B-	7 W+	8 W-



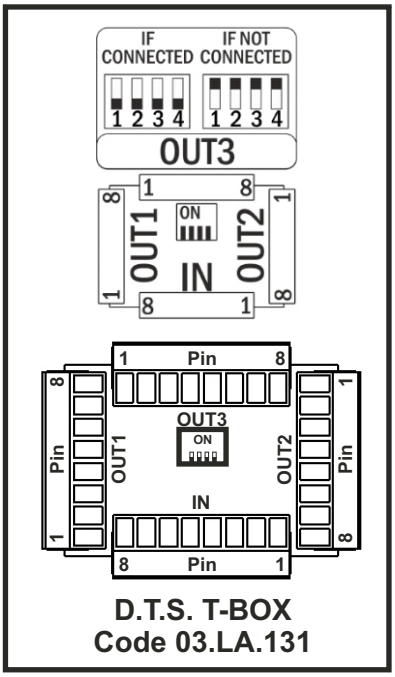
CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE +	RED
PIN 8	WHITE -	BLUE

LEDs OUTPUT

8 W-	7 W+	6 B-	5 B+	4 G-	3 G+	2 R-	1 R+



1



D.T.S. T-BOX Code 03.LA.131

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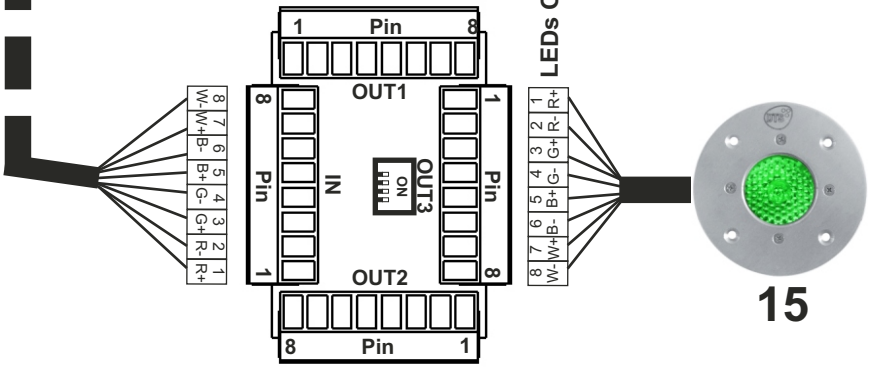
LEDs OUTPUT

1 R+	2 R-	3 G+	4 G-	5 B+	6 B-	7 W+	8 W-

LEDs OUTPUT



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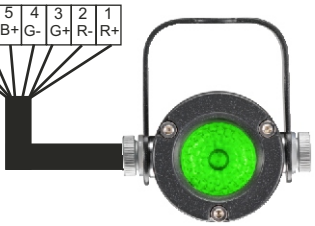
LEDs OUTPUT

8 W-	7 W+	6 B-	5 B+	4 G-	3 G+	2 R-	1 R+



14

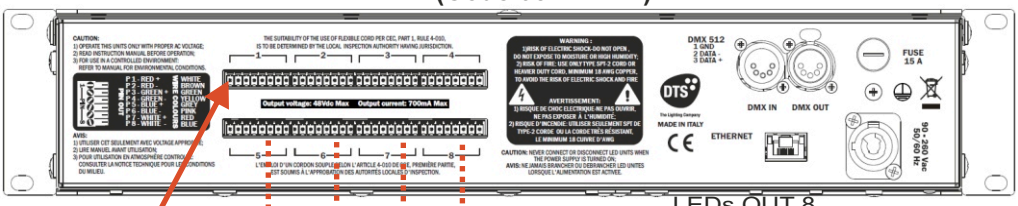
The maximum number of MINIFOCUS FC and MINIFOCUS R FC connectable to the Z1 PLUS Power supply is 15 pcs.

Never plug the cable coming from the Power supply into OUT 1, OUT 2 or OUT 3 of the T-BOX because a wrong connection can seriously damage the projector or the power supply.

Never plug in a new MINIFOCUS when the power supply is turned on.

WIRING CONNECTIONS

DRIVENET 832 LED Controller Screw terminals outputs (Code 03.LA.177)



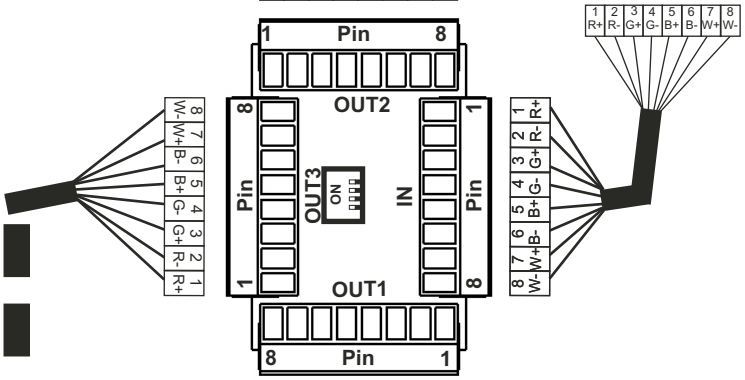
8 poles screw terminals

1 —— PIN —— 8

2

LEDs OUTPUT 1 R+ 2 R- 3 G+ 4 G- 5 B+ 6 B- 7 W+ 8 W-

1 R+ 2 R- 3 G+ 4 G- 5 B+ 6 B- 7 W+ 8 W-



CONNECTION		
PIN OUT	LED	WIRES COLOURS
PIN 1	RED +	WHITE
PIN 2	RED -	BROWN
PIN 3	GREEN +	GREEN
PIN 4	GREEN -	YELLOW
PIN 5	BLUE +	GREY
PIN 6	BLUE -	PINK
PIN 7	WHITE +	RED
PIN 8	WHITE -	BLUE

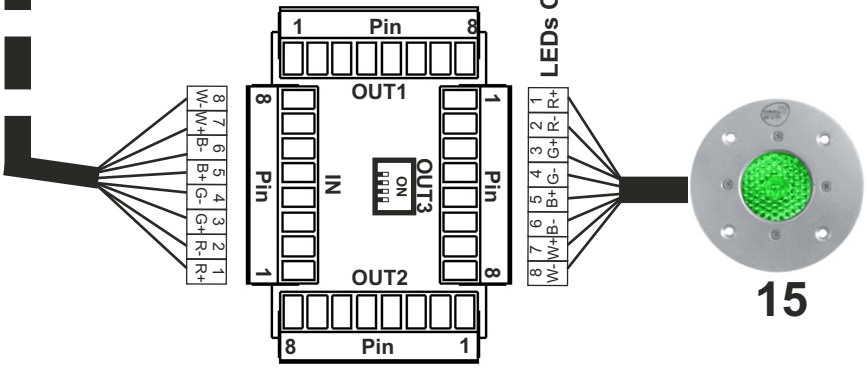
LEDs OUTPUT 8 W- 7 W+ 6 B- 5 B+ 4 G- 3 G+ 2 R- 1 R+

1

13

LEDs OUTPUT 1 R+ 2 R- 3 G+ 4 G- 5 B+ 6 B- 7 W+ 8 W-

LEDs OUTPUT



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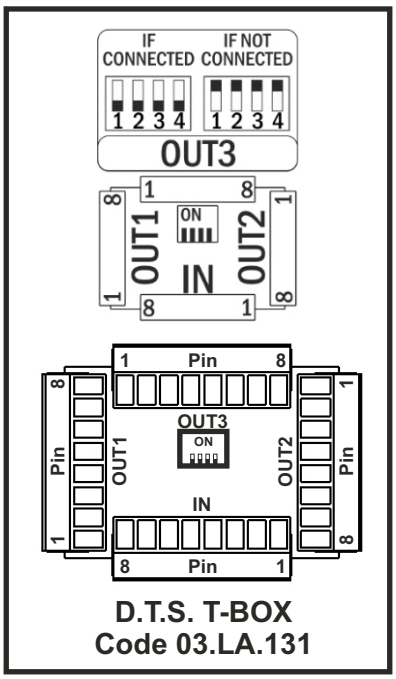
LEDs OUTPUT 8 W- 7 W+ 6 B- 5 B+ 4 G- 3 G+ 2 R- 1 R+

14



D.T.S. T-BOX
Code 03.LA.131

The maximum number of MINIFOCUS FC and MINIFOCUS R FC connectable to each output of DRIVENET 832 LED Controller is 15 pcs.

Never plug the cable coming from the Power supply into OUT 1, OUT 2 or OUT 3 of the T-BOX because a wrong connection can seriously damage the projector or the power supply.

Never plug in a new MINIFOCUS when the power supply is turned on.

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DTS

The Lighting Company

ISO 9001:2008

D.T.S. quality system
is certified to the
ISO 9001:2008 standard

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D.T.S. products are designed
and manufactured at the D.T.S.
plants in italy

0517I140

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